

CLAIM AMENDMENTS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 (currently amended). An integrated circuit, comprising:

lines, including a first line and a second line, for carrying one of DC voltages and low-frequency voltages; and

a radio-frequency (RF) filter device having first and second capacitors connected to said lines and being completely integrated in the integrated circuit for preventing and restricting a propagation of high-frequency interference signals through said lines.

2 (currently amended). The integrated circuit according to claim 1, including component parts connected to said RF filter device lines and to be protected against high-frequency interference signals, said RF filter device being disposed, and constructed and dimensioned such that said RF filter device filters out for protecting said component parts against the high-frequency interference signals transmitted through said lines and fed to said component parts.

3 (currently amended). The integrated circuit according to claim 2 1, including wherein said component parts connected to said lines to generate and output further high-frequency interference signals carried by said lines, and said RF filter device is disposed, constructed and dimensioned such that said RF filter device filters out the further high-frequency interference signals generated and output by said component parts and carried on said lines.

4 (currently amended). The integrated circuit according to claim 1, including component parts connected to said lines and generating and outputting further to be protected against high-frequency interference signals carried by said lines, said RF filter device is disposed, constructed and dimensioned such that said component parts are protected against the high-frequency interference signals and also protected against the further high-frequency interference signals generated within the integrated circuit.

5 (currently amended). The integrated circuit according to claim 1, including component parts connected to said lines and to be protected against the high-frequency interference signals and/or to generate and output high-frequency interference signals, said RF filter device is disposed in direct proximity and connected to said component parts for

suppressing the high-frequency interference signals, and said component parts generating further high-frequency interference signals also being suppressed by said RF filter device to prevent interferences in others of said component parts and to parts external to the integrated circuit.

6 (currently amended). The integrated circuit according to claim 1, including component parts connected to said RF filter device lines, wherein said lines supply power required for operation of said component parts, said RF filter device being disposed and constructed for causing said RF filter device to filter out the high-frequency interference signals transmitted through said lines supplying power required for operation, said component parts generating further high-frequency interference signals and said RF filter device suppressing the further high-frequency interference signals to prevent interference in others of said component parts and to parts external to the integrated circuit.

7 (canceled).

8 (currently amended). The integrated circuit according to claim 7 1, wherein said RF filter device has a resistor in said first line for removing the high-frequency interference signals.

9 (canceled).

10 (currently amended). The integrated circuit according to claim 8, ~~including component parts generating further high-frequency interference signals and connected to said lines, a plurality of RF filter devices, one of said RF filter devices associated with each of said component parts, wherein said resistor and said first capacitor forming form a low-pass filter at least partially preventing the propagation of said high-frequency interference signals through said lines from reaching said component parts to be protected against the high-frequency interference signals, and said RF filter device associated with each one of said component parts suppressing the further high-frequency interference signals from the associated one of said component parts from reaching other ones of said component parts and from reaching outside of the integrated circuit.~~

11 (currently amended). The integrated circuit according to claim 9 8, ~~including component parts each generating further high-frequency interference signals and connected to said lines, said resistor and said further second capacitor form a low-pass filter at least partially preventing the propagation of said high-frequency interference signals through said lines from reaching said component parts which are to be protected~~

~~against the high-frequency interference signals by said RF filter device, and said RF filter device suppressing the further high-frequency interference signals from each of said component parts from reaching other ones of said component parts and from reaching outside of the integrated circuit.~~

12 (currently amended). The integrated circuit according to claim 8 6, including component parts connected to said lines, wherein said first capacitor is dimensioned such that the power to be fed through said lines provided with, connected to said RF filter device to said component parts, can be drawn completely from said first capacitor during recharging of said capacitor; and

~~including component parts each generating further high-frequency interference signals and connected to said lines, said RF filter device protecting said component parts against the high-frequency interference signals, and said RF filter device suppressing the further high-frequency interference signals of each of said component parts from reaching other ones of said component parts and from reaching outside of the integrated circuit.~~

13 (currently amended). The integrated circuit according to claim 12, wherein said resistor is dimensioned such that a

current flowing through said resistor during operation maintains said first capacitor continually charged to such an extent that the power fed through said lines provided with said RF filter device to said component parts can be drawn completely from said first capacitor.

14 (currently amended). The integrated circuit according to claim 10 8, wherein said resistor and said first capacitor form a first low-pass filter and said resistor and said second capacitor form a second low-pass filter, and said resistor is dimensioned such that said first and second low-pass filter filters prevent or significantly reduce prevents a flowing of the high-frequency interference signals.

15 (currently amended). The integrated circuit according to claim 9 8, wherein said resistor is dimensioned such that resonances which said first capacitor and said second capacitor form at least with one another and the component parts of the integrated circuit are reduced to not interfere with an operation of the integrated circuit.

16 (original). The integrated circuit according to claim 8, wherein said resistor is dimensioned such that said resistor converts the high-frequency interference signals filtered out by said RF filter device at least partially into heat.

17 (previously presented). The integrated circuit according to claim 1, including a plurality of component parts, and a plurality of said RF filter devices, each one of said RF filter devices connected to different ones of said component parts.